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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/029,162	10/25/2001	Igor Katsman	15-DS-00544	4599

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EXAMINER

BOUTAH, ALINA A

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/029,162	Applicant(s) KATSMAN ET AL.	
	Examiner Alina N. Boutah	Art Unit 2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8, 10-23, 28-34, 37-45 and 51-53 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-23, 28-34, 37-45 and 51-53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

This action is in response to Applicant's amendment filed January 19, 2006. Claims 1-8, 10-23, 28-34, 37-45 and 51-53 are pending in the application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8, 10-23, 28-34, 37-45 and 51-53 are rejected under 35 U.S.C. 102(e) as being anticipated by USPN 6,424,996 issued to Killcommons et al. (hereinafter Killcommons).

Regarding claim 1, Killcommons teaches a system for remotely displaying a medical image, said system including:

a medical imaging system transmitting unprocessed medical imaging data to a remote terminal (figures 1 and 2A-2D; col. 3, line 58 to col. 4, line 30; col. 7, lines 44-51); and

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a remote terminal for receiving said unprocessed medical imaging data, processing said unprocessed medical imaging data to form a medical image and displaying said medical image (figures 1 and 3; col. 4, lines 31-45; col. 7, lines 44-51).

Regarding claim 2, Killcommons teaches the system of claim 1 wherein said remote terminal performs post-processing on said unprocessed medical image data (col. 4, line 54 to col. 22).

Regarding claim 3, Killcommons teaches the system of claim 1 wherein said medical imaging system acquired said unprocessed medical imaging data (col. 3, line 58 to col. 4, line 30).

Regarding claim 4, Killcommons teaches the system of claim 1 wherein said remote terminal sends commands to said medical imaging system (col. 5, lines 6-22).

Regarding claim 5, Killcommons teaches the system of claim 1 wherein said medical imaging system also transmits audio data to said remote terminal (col. 1, line 66 to col. 2, line 9).

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Regarding claim 6, Killcommons teaches the system of claim 1 wherein said medical imaging system also transmits system parameter data to said remote terminal (col. 3, line 58 to col. 4, line 30).

(Amended) Regarding claim 7, Killcommons teaches a system for remotely controlling a medical imaging system, said system including:

a remote terminal for transmitting commands to a medical imaging system (col. 5, lines 6-22); and

a medical imaging system for receiving and executing said commands from said remote terminal (col. 5, lines 6-22);

wherein said commands control at least one of pre-processing functions and post-processing functions of said medical imaging system (col. 4, line 54 to col. 5, line 22; col. 7, lines 44-51).

(Amended) Regarding claim 10, Killcommons teaches a system for communication between the operator of a medical imaging device and the operator of remote terminal, said system including:

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a medical imaging system transmitting communications data to a remote terminal and receiving unprocessed communications data from said remote terminal (col. 4, line 54 to col. 22; col. 7, lines 44-51);

a remote terminal for transmitting unprocessed communications data to a medical imaging system and receiving unprocessed communications data from said medical imaging system (col. 4, line 54 to col. 5, line 22; col. 7, lines 44-51).

Regarding claim 11, Killcommons teaches the system of claim 10 wherein said communications data is audio data (col. 1, line 66 to col. 2, line 5).

Regarding claim 12, Killcommons teaches the system of claim 10 wherein said communications data is video data (col. 1, line 66 to col. 2, line 5).

Regarding claim 14, Killcommons teaches the system of claim 10 wherein said communications data represents a verbal command (col. 7, lines 23-43).

Regarding claim 15, Killcommons teaches the system of claim 10 wherein said communications data is text data (col. 1, line 66 to col. 2, line 5)

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Regarding claim 16, Killcommons teaches a system for remotely post-processing medical imaging data, said system including: a remote terminal receiving unprocessed medical information data, said remote terminal including a remote imaging processor receiving said unprocessed medical information data and post-processing said medical imaging data (figures 2A-D).

Regarding claim 17, Killcommons teaches the system of claim 16 wherein said unprocessed medical imaging data is sent by a medical imaging system to said remote terminal (figure 1).

Regarding claim 18, Killcommons teaches the system of claim 16 wherein said remote terminal processes said unprocessed medical information data according to imaging parameters (col. 3, line 58 to col. 4, line 22).

Regarding claim 19, Killcommons teaches the system of claim 18 wherein said imaging parameters are controlled by an operator at said remoter terminal (col. 5, lines 5-22).

Regarding claim 20, Killcommons teaches a remote terminal for use in a medical imaging system for remotely displaying a medical image, said remote terminal including:

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a remote data processor receiving unprocessed medical imaging data (figure 1);

a remote imaging processor for post-processing said medical imaging data to form a medical image; and a display for displaying said medical image (figure 1; col. 5, lines 5-22; col. 7, lines 44-51).

Regarding claim 21, Killcommons teaches the remote terminal of claim 20 further including remote console controls (col. 5, lines 5-22).

Regarding claim 22, Killcommons teaches the remote terminal of claim 21 wherein said remote console controls control imaging parameters at said remoter imaging processor (col. 5, lines 5-22).

Regarding claim 23, Killcommons teaches the remote terminal of claim 20 wherein said remote console controls are used to relay commands through said remote data processor to an imaging system (figure 1; col. 5, lines 5-22).

Regarding claim 28, Killcommons teaches a method for remotely displaying a medical image, said method including the steps of:

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transmitting unprocessed medical imaging data from a medical imaging system to a remote terminal (figure 1);

processing said unprocessed medical imaging data at said remote terminal to form a medical image; and displaying said medical image (figures 2A-D; col. 7, lines 44-51).

Regarding claim 29, Killcommons teaches the method of claim 28 further including the step of post-processing said unprocessed medical image data at said remote terminal (figure 3).

Regarding claim 30, Killcommons teaches the method of claim 28 further including the step of acquiring said unprocessed medical imaging data at said medical imaging system (figure 1).

Regarding claim 31, Killcommons teaches the method of claim 28 further including the step of sending commands from said remote terminal to said medical imaging system (col. 5, lines 6-22).

Regarding claim 32, Killcommons teaches the method of claim 28 further including the step of transmitting audio data from said medical imaging system to said remote terminal (col. 7, lines 23-42).

Regarding claim 33, Killcommons teaches the method of claim 28 further including the step of transmitting system parameter data from said medical imaging system to said remote terminal (figure 1).

Regarding claim 34, Killcommons teaches a method for remotely controlling a medical imaging system, said method including the steps of:

transmitting commands from a remote terminal to a medical imaging system (col. 5, lines 5-22); and executing said commands at said medical imaging system (col. 5, lines 5-22),

wherein said commands control at least one of pre-processing functions and post-processing functions of said medical imaging system (col. 4, line 54 to col. 5, line 22; col. 7, lines 44-51).

(Amended) Regarding claim 37, Killcommons teaches a method for communication between the operator of a medical imaging device and the operator of remote terminal, said method including the steps of:

transmitting unprocessed communications data to a remote terminal from a medical imaging system (col. 3, line 58 to col. 4, line 22; col. 7, lines 44-51); and

receiving unprocessed communications data at said medical imaging system from said remote terminal (col. 3, line 58 to col. 4, line 22; col. 7, lines 44-51).

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Regarding claim 39, Killcommons teaches the method of claim 37 wherein said communications data is uncompressed raw data (figure 1).

Regarding claim 40, Killcommons teaches the method of claim 37 wherein said communications data is video data (col. 1, line 67 to col. Line 9).

Regarding claim 41, Killcommons teaches the method of claim 37 wherein said communications data represents a verbal command (col. 7, lines 23-42).

Regarding claim 42, Killcommons teaches the method of claim 37 wherein said communications data is text data (col. 1, line 67 to col. Line 9).

Regarding claim 43, Killcommons teaches a method for remotely post-processing medical imaging data, said method including the steps of: receiving unprocessed medical information data at a remote terminal (figure 1); and post-processing said medical imaging data (figure 3).

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Regarding claim 44, Killcommons teaches the method of claim 43 wherein said unprocessed medical imaging data is sent by a medical imaging system to said remote terminal (figure 1).

Regarding claim 45, Killcommons teaches the method of claim 43 wherein said remote terminal processes said unprocessed medical information data according to imaging parameters (figure 2).

Regarding claim 46, Killcommons teaches the method of claim 45 wherein said imaging parameters are controlled by an operator at said remoter terminal (figure 1).

Regarding claim 51, Killcommons teaches an imaging system for use in a medical imaging system for remotely displaying a medical image, said imaging system including: a data processor externally transmitting unprocessed medical imaging data (figure 1).

Regarding claim 52, Killcommons teaches the imaging system of claim 51 further including a data acquisition processor acquiring imaging data and sending said imaging data to said data processor (figures 2A-D).

Regarding claim 53, Killcommons teaches the imaging system of claim 51 wherein said data processor is responsive to control signal from an origin external to said imaging system (figure 1).

Response to Arguments

Applicant's arguments filed January 19, 2006 have been fully considered but they are not persuasive.

In response to Applicant's argument that Killcommons does not teach suggest pre-processing functions and post-processing functions, consequently not teach unprocessed medical data as claimed, the PTO respectfully submits that this is taught in the cited area above (col. 3, line 58 to col. 4, line 30 and col. 7, lines 44-51). Specifically col. 7, lines 44-51 teach a dicomizer that receives data from modality and conveys the data to server where it may be processed. The dicomizer converts raw data into DICOM compliant data. In this case, the raw data is interpreted as "unprocessed" data as claimed. Therefore the rejections are sustained.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

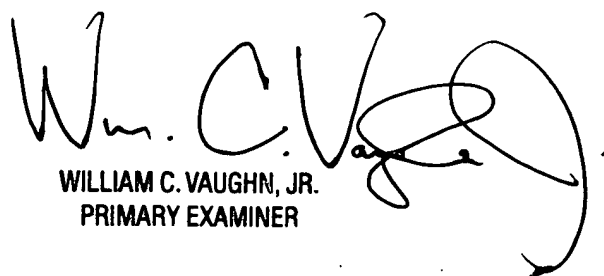
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alina N. Boutah whose telephone number is 571-272-3908. The examiner can normally be reached on Monday-Friday (9:00 am - 5:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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WILLIAM C. VAUGHN, JR.
PRIMARY EXAMINER